



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Highway 12/99 Interchange Improvement Project Concept Plan

MEETING DATE: March 5, 1997

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council review the Highway 12/99 Interchange Improvement Project Concept Plan and give staff direction on the recommended interchange improvement alternative and to pursue funding for the construction of this project.

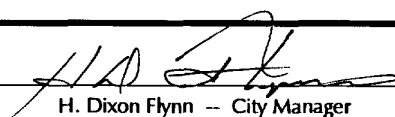
BACKGROUND INFORMATION: The Public Works Department has been working with San Joaquin Council of Governments (COG) in an Improvement Project Concept Plan for the Highway 12 and State Route 99 interchange. This project is in the COG Measure K Strategic Plan. Greiner, Inc. was retained by COG to prepare a Project Study Report (PSR) per Caltrans guidelines. During the design process, it was determined a Project Concept Plan could be prepared instead of a PSR. The Project Concept Plan includes recommended interchange improvement alternatives, traffic projections, traffic operation analysis, background material for environmental documentation, interchange geometrics and profiles, and cost estimates.

In March 1996, City Council approved the cooperative agreement with COG for Greiner, Inc. to prepare an Improvement Project Concept Plan and PSR. City staff has been working closely with Greiner, Inc. throughout the preliminary design activities. Greiner, Inc. began the study process by evaluating the existing traffic volumes, traffic projections, and analyzing accident patterns. Based on this information, several interchange configurations or alternatives were developed. A brief description and preliminary cost estimates for the alternatives are shown in **Exhibit A**. Each interchange alternative was evaluated against project-specific criteria, including traffic operation impacts, right-of-way impacts, and total cost. The evaluation identified Alternative 2 as the preferred interchange improvement alternative based on the evaluation criteria.

Alternative 2 has an interim and ultimate condition. Alternative 2-Interim (**Exhibit B**) would widen Kettleman Lane between the southbound State Route 99 ramp and Beckman Road (adjacent to McDonald's) to provide two westbound through lanes, both a westbound and an eastbound left-turn lane and one eastbound through lane. East of Beckman Road, Kettleman Lane would transition back to the existing two-lane section. Beckman Road would remain in its present location. The intersections of Kettleman Lane and Route 99 northbound and southbound ramps would be signalized and the off-ramps widened. In order to retain the existing State Route 99 overcrossing, the sidewalks under the overcrossing would be removed and a new narrower sidewalk constructed on the north side of Kettleman Lane. The preliminary cost estimate for Alternative 2-Interim is estimated to be approximately \$1.5 million.

The second phase of Alternative 2 would include the relocation of Beckman Road approximately 400 feet to the east of its present location. Currently, Beckman Road is about 225 feet east of the northbound State Route 99 ramp, a distance too close to the two proposed signalized intersections. Due to the close proximity of the highway ramps, the relocation of Beckman Road was identified in

APPROVED: _____


H. Dixon Flynn -- City Manager

Lodi's Street Master Plan when it was approved in 1993. Staff is currently reviewing development plans with an adjacent property owner, including frontage improvements along Kettleman Lane and the relocation of Beckman Road to its ultimate location. The preliminary cost estimate for construction of Alternative 2-Ultimate (**Exhibit C**) is estimated to be an additional \$1 million.

A public meeting was held in October 1996 to discuss the interchange improvement alternatives with affected property owners and interested parties. Greiner, Inc. reviewed the design alternatives at the meeting as well as traffic projections and current accident statistics. The purpose of the meeting was to solicit comments and suggestions in an effort to refine the preferred interchange improvement. At the meeting, there was support for Alternative 2 because it would have minor impacts on adjacent properties and was affordable. There was concern raised about how the existing businesses along Kettleman Lane between State Route 99 and Cherokee Lane would be impacted. At this meeting, the consultants indicated the existing two-way left-turn lane would remain under Alternative 2 and function better because the new traffic signals would create gaps in the traffic flow and provide better access to the businesses.

RECOMMENDED ACTION: Staff is requesting Council direction to proceed with Alternative 2 and the Environmental Documentation for this alternative. The Environmental Documentation will be done by the City's Community Development Department.

Staff is also requesting approval to pursue funding sources for the construction of the recommended interchange. Staff anticipates construction could start as soon as Spring 1998 assuming the funding comes together. Staff is recommending COG retain Greiner, Inc. to perform the design work for the preferred alternative.

The total project cost for the Alternative 2-Ultimate, including the design work, construction management, right-of-way acquisition and actual construction, is estimated to be \$3.1 million. Approximately \$742,000 in Measure K funds have been programmed towards this project. Unless other funding sources are available, the balance will come from the State, Regional Traffic Impact Fees and developers' participation. The City of Lodi has been working with COG in participating for funding from California Transportation Commission (CTC) Cost Savings Program. This project could obtain \$950,000 in cost savings funds if approved by COG and the State. More information on funding will be available at the Council meeting.

FUNDING: COG is using Measure K project funds to pay Greiner, Inc. and sub-consultants 100 percent of the project cost to prepare the Concept Plan in an amount not to exceed \$187,665. The construction of the interchange will be funded using Measure K/CTC cost savings funds, State funds, and Regional Traffic Impact Fees.


By Jack L. Ronsko
Public Works Director

Prepared by Paula J. Fernandez, Associate Traffic Engineer
JLR/PJF/lm
Attachments

cc: Associate Traffic Engineer
Community Development Director
SJCOG, Diane Nguyen
Nolte and Associates, Bob Bryer
Affected Property Owners and Interested Parties
Geweke Properties, Dale Gillespie

SR 99 / Kettleman Lane Interchange PSR Evaluation Matrix

Altern. No.	Alternative Description	Service Life (LOS D)	Year LOS D Exceeded	2020 AM/PM LOS	Queuing Problems¹	Meets Geometric Design Stds.	Structure Impacts	Route 99 Const. Impacts	Kettleman Ln. ROW Impacts	Historic Property Impacts	Caltrans Approval Document	Envir. Document²	Costs (in thousands)			Total³ Cos
													Const.	ROW	Environ. Design & Const. Manag.	
Diamond Interchanges ROW																
1	Signalize Existing Interchange	9 years	2006	F/F	Yes	Yes	None	None	Low	None	PEER	CE	\$250	\$0 (0)	\$50	\$300,000
2 Interim	Widen Exit Ramps/Restripe/Signalize	12 years	2010	F/F	Yes	No²	None	Low	Low	None	PEER	ND	\$1,250	\$25⁴ (0.2)	\$275	\$1,550,000
2 Ultimate	Alternative No. 2 Interim plus Beckman Road Relocated	20 years	2017	F/F	Yes	No³	None	Low	Low	None	PEER	ND	\$2,250	\$210 (1.7)	\$450	\$2,910,000
3	Widen All Ramps/Restripe/Signalize/ Add Right Turn Lane & Widen NB Exit	>20 years	>2020	D/D	Yes	No²	None	Low	Medium	None	PEER	ND	\$2,900	\$225 (1.8)	\$580	\$3,705,000
4	New Interchange (6-lane UC)	>20 years	>2020	C/C	No	Yes	New	Medium	High	Low	PSR/PR	ND - EIR	\$8,600	\$500 (4.0)	\$1,700	\$10,800,000
Partial Cloverleaf Interchanges																
5	Add New NB Loop/Exist. Structure	>20 years	>2020	B/C	No	No³	Widen Exist.	Medium	Medium	Very High	PSR/PR	EIR	\$3,725	\$750 (6.0)	\$800	\$5,275,000
6	Add New NB Loop/New Structure	>20 years	>2020	B/C	No	Yes	New	Medium	Medium	Very High	PSR & PR	EIR	\$8,800	\$750 (6.0)	\$1,800	\$11,350,000
Single Point Diamond Interchanges																
7	New Single Point Diamond Interchange (Single Lefts)	>20 years	>2020	D/D	No	Yes	New	Very High	Medium	Low	PSR & PR	ND	\$11,000	\$210 (1.7)	\$2,200	\$13,410,000

Footnotes:

- ¹ Queues in the left turn lanes likely to block through lanes on Kettleman Lane.
- ² Nonstandard lane / shoulder widths and sidewalk widths on Kettleman Lane @ SR 99.
- ³ EIR required for projects which significantly effect the potentially historic Beckman House.
- ⁴ Right of Way for interim project only
- ⁵ Acres impacted at \$3.00/sf

Other Notes:

Alt. 2 - Costs within Caltrans R/W = \$850,000

GREINER, INC.

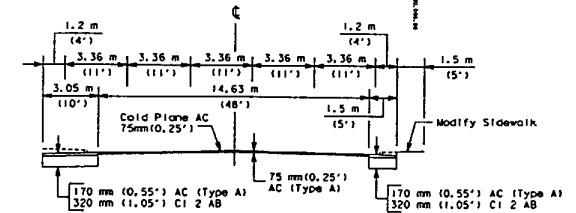
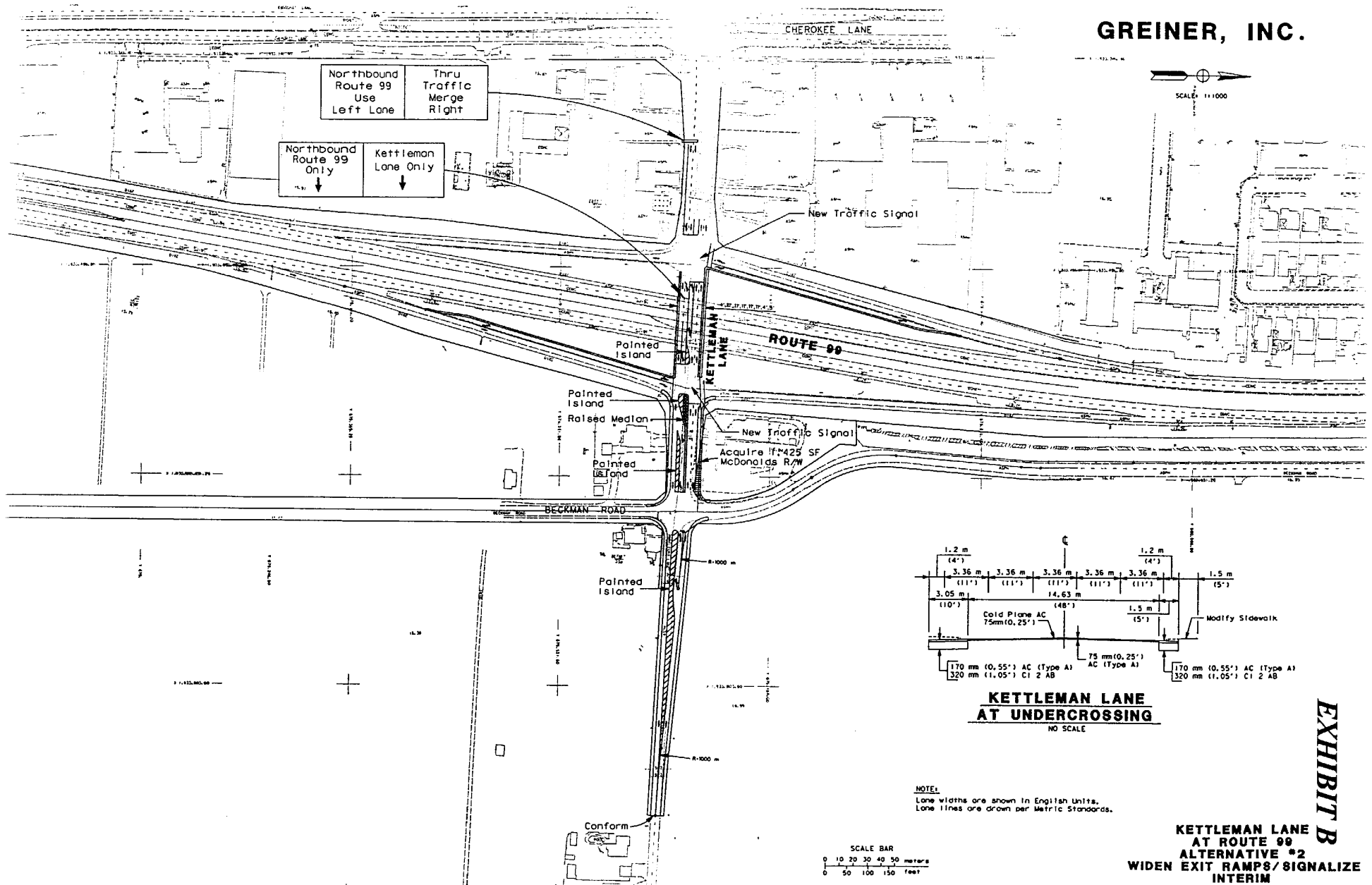
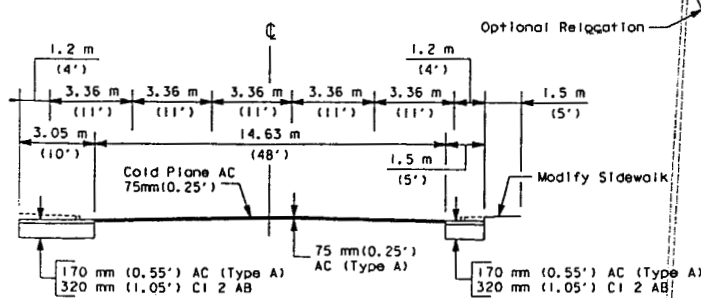
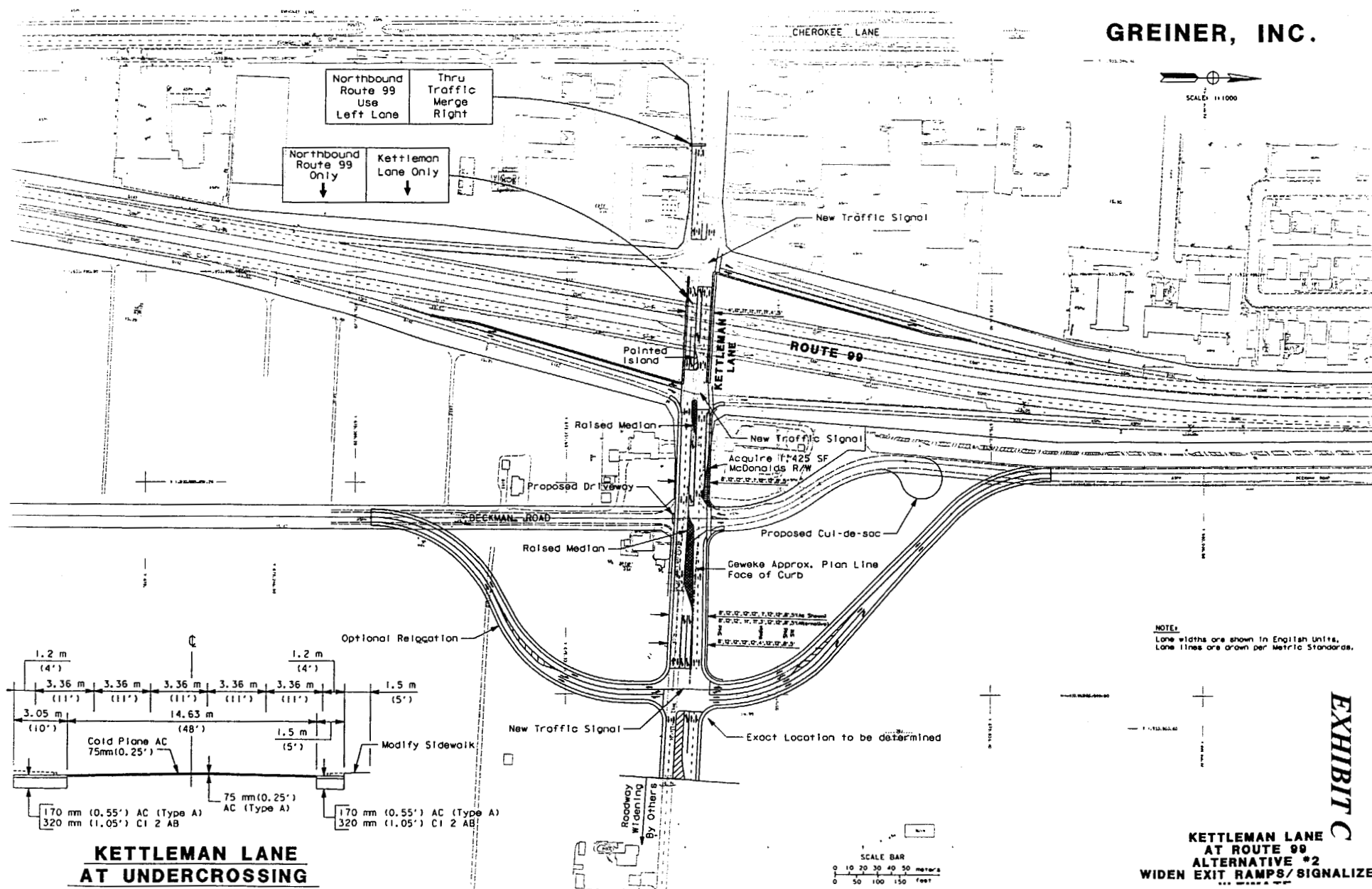
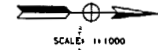


EXHIBIT B

**KETTLEMAN LANE AT ROUTE 99
ALTERNATIVE #2
WIDEN EXIT RAMP/SIGNALIZE
INTERIM**

GREINER, INC.



**KETTLEMAN LANE
AT UNDERCROSSING**

EXHIBIT C

**KETTLEMAN LANE
AT ROUTE 99
ALTERNATIVE #2
WIDEN EXIT RAMP/SIGNALIZE**

CITY COUNCIL

PHILLIP A. PENNINO, Mayor
JACK A. SIEGLOCK
Mayor Pro Tempore
KEITH LAND
STEPHEN J. MANN
DAVID P. WARNER

CITY OF LODI

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H. DIXON FLYNN
City Manager
JENNIFER M. PERRIN
City Clerk
RANDALL A. HAYS
City Attorney

February 27, 1997

MAILING LIST ATTACHED

SUBJECT: Highway 12/99 Interchange Improvement Project Concept Plan

Enclosed is a copy of background information on an item on the City Council agenda of Wednesday, March 5, 1997, at 7 p.m. The meeting will be held in the City Council Chamber, Carnegie Forum, 305 West Pine Street.

This item is on the regular calendar for Council discussion. You are welcome to attend.

If you wish to write to the City Council, please address your letter to City Council, City of Lodi, P. O. Box 3006, Lodi, California, 95241-1910. Be sure to allow time for the mail. Or, you may hand-deliver the letter to the City Clerk at 221 West Pine Street.

If you wish to address the Council at the Council meeting, be sure to fill out a speaker's card (available at the Carnegie Forum immediately prior to the start of the meeting) and give it to the City Clerk. If you have any questions about communicating with the Council, please contact Jennifer Perrin, City Clerk, at (209) 333-6702.

If you have any questions about the item itself, please call Paula Fernandez at (209) 333-6800, ext. 667.



Jack L. Ronsko
Public Works Director

JLR/lm

Enclosure

cc: City Clerk ✓

AFFECTED PROPERTY OWNERS AND

INTERESTED PARTIES

WILLIAM T BECKMAN
4802 E KETTLEMAN LN
LODI CA 95240

MARILYN BURNS
5430 E KETTLEMAN LN
LODI CA 95240

ARTHUR & LORENE
HOFFMAN
2418 E WOODBRIDGE RD
ACAMPO CA 95220

MR & MRS HUDMON
5242 E KETTLEMAN LN
LODI CA 95240

MS DIANE WHEATLEY
1311 W CENTURY BLVD #21
LODI CA 95242

MS MARLENE STRAP
AM-PM
800 E KETTLEMAN LN
LODI CA 95240

MR RONALD GROSS
AMG HOLDINGS INC/DENNY'S
2 MUTH DR
ORINDA CA 94563

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THE HON MIKE MACHADO
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THE HON PAT JOHNSTON
CA STATE SENATE
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CHRIS SAYRE
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STOCKTON CA 95201

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911-D INDUSTRIAL WY
LODI CA 95240

CLAIR ROJO GEN MGR
CARROW'S
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LODI CA 95240

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FREMONT CA 94539

CHWEN SIRIPOCANNONT
CCS P&E INC
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FREMONT CA 94539

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LODI CA 95240

INDER SINGH
EXXON
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LODI CA 95240

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TONY GOEHRING
ECONOMIC DEVELOPMENT
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MODESTO CA 95350-0839

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MR. DAVE LAMM
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SACRAMENTO, CA 95805

CALTRANS ENCRCHMNT
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NOLTE AND ASSOCIATES
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MANTECA CA 95337

GEWEKE PROPERTIES
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